

# ABIR THAPA

North York, ON

☎ +1-2269293342

✉ [abirthapa1@gmail.com](mailto:abirthapa1@gmail.com)

🌐 [Linkedin](#)

🐙 [Github](#)

## TECHNICAL SKILLS

**Cloud Platform:** AWS (EC2, VPC, EKS, S3, IAM, CloudWatch, RDS, ECR, Lambda), GCP (GKE, Compute Engine, CloudBuild), VMware Vsphere, OpenStack

**Infrastructure & DevOps:** AWS, GCP, Docker, Kubernetes (GKE, EKS), Jenkins, Terraform, Git/GitHub, GitHub Actions, Helm, Ansible

**Programming Languages:** Python, Java, Bash, Go(basic), JavaScript (React), Next Js, MYSQL

**Developer Tools & Methodologies:** Linux, Jira, Agile

**Monitoring Tools & Observability:** Prometheus, Grafana, AWS CloudWatch, Zabbix, DataDog (basic)

## EXPERIENCE

**reFern (Climate Tech Startup)** | Cloud Architect Consultant (Contract)

Jan 2025 - April 2025

- Identified 3+ architectural bottlenecks; reduced cloud spend by **40%** by **optimizing** container usage and switching to static hosting on DigitalOcean App Platform.
- Audited DigitalOcean & Supabase stack for **scalability**, **cost** and **security**; flagged gaps in MFA and backups.
- Bench-marked AWS Amplify, Vercel & Firebase.
- Mapped future ready migration strategy for 5x users scaling with **25%** lower-cost.
- Overhauled Supabase auth; enabled email-based onboarding, strong password policies, and eliminated manual credential sharing.
- Proposed **ISO 27001**-aligned controls including encrypted DB exports, row-level security, HTTPS enforcement, and GitHub Secrets

## PROJECTS

**Threat Intelligence Powered SOC** 🔗 | GKE, Docker, Wazuh, Graylog, Grafana

- Collaborated in an **Open-Source** threat intelligence application which takes data from different applications and logs it into grafana for visualization and auditing.
- Converted dockerfiles to respected manifest files to be deployed on **GKE**
- Collaborated with team and deployed a stack using **Helm**, secured it with cert-manager TLS and backed Graylog with OpenSearch.
- Used Prometheus for better visualization of wazuh metrics and triage workflows with Grafana.
- Designed a **CI/CD** pipeline .

**CI/CD Pipeline for Containerized Deployments** 🔗 | Terraform, Github Actions, AWS EKS, Docker

- Developed an automated CI/CD pipeline for microservices on **EKS** using **Github Actions**.
- Developed reusable modules to automate provisioning of VPC, IAM roles, EKS node groups, and security groups, aligning with enterprise-grade IaC practices.
- Reduced manual deployment time by 80% by using **Ansible** playbooks and improved reliability of releases with defined SLA's and SLI's to maintain uptime.
- Dockerized builds, pulled images from dockerhub and performed unit tests.

**Personal Website** 🔗 | Vercel, React Js, Next Js, Tailwind

- Designed and developed a fully responsive website using **next.js** and **tailwind**.
- Deployed the website using **Vercel** with continous integration from Github
- Implemented dynamic routing and server-side rendering for optimized performance and SEO.

## EDUCATION

**Post Graduate CloudOps**

*York University*

Sept 2024 – May 2025

*North York, ON*

**Post Graduate Virtualization and Cloud Computing**

*Conestoga College*

Sept 2023 – April 2024

*Waterloo, ON*

**Honours Bachelor of Computer Science**

*Delhi University*

2019 – 2022

*New Delhi, Delhi, India*